

JP 02269734

AN 1990-372460 [50] WPIX
DNN N1990-284008 DNC C1990-162145
TI New polyphenylene-type polymer - prepd. by oxidn. polymerisation of fluorene deriv..
DC A26 A85 L03 U11 X12
PA (IDEK) IDEMITSU KOSAN CO LTD
CYC 1
PI JP 02269734 A 19901105 (199050)*
ADT JP 02269734 A JP 1989-91476 19890411
PRAI JP 1989-91476 19890411
AB JP 02269734 A UPAB: 19930928
Polyphenylene-type polymer has repeated unit of formula (I) and at least 3,000 of wt. average mol. wt. where R1 = H or 1-30C alkyl gp.; R2 = 3-30C alkyl gp.; R1 and R2 may be same or different.
Prepn. of the polyphenylene-type polymer comprises chemical oxidn.-polymerisation or electrochemical oxidn.-polymerisation of fluorene deriv. of formula (II):
USE/ADVANTAGE - The polyphenylene-type polymer is useful as electric conductive material, displaying material, engineering plastics etc. Compared with conventional ones, the polymer has superior solvent-solubility, thermoplastic property and electric conductivity comparable to polyacetylene or polythiophene.
0/0